# CD366 monoclonal antibody

Catalog: MB65850 Host: Mouse Reactivity: Human

## BackGround:

T cell Ig- and mucin-domain-containing molecules (TIMs) are a family of transmembrane proteins expressed by various immune cells. TIM-3 is an inhibitory molecule that is induced following T cell activation. TIM-3 is expressed by exhausted T cells in the settings of chronic infection and cancer, and tumor-infiltrating T cells that co-express PD-1 and TIM-3 exhibit the most severe exhausted phenotype. Tumor-infiltrating dendritic cells (DCs) also express TIM-3. TIM-3 expression on DCs was found to suppress innate immunity by reducing the immunogenicity of nucleic acids released by dying tumor cells. Research studies show that heterodimerization of TIM-3 with CEACAM-1 is critical for the inhibitory function of TIM-3, and co-blockade of TIM-3 and CEACAM-1 enhanced anti-tumor responses in a mouse model of colorectal cancer. In addition, blockade of TIM-3 in mouse models of autoimmunity enhanced the severity of disease. Finally, binding of Galectin-9 to TIM-3 expressed by Th1 cells induces T cell death.

## Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

## Molecular Weight:

~ 33 kDa

## Swiss-Prot:

Q8TDQ0

## Purification&Purity:

The monoclonal antibody was affinity-purified from Mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

## Applications:

IF (1/50 - 1/200)

## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

## Specificity:

Recognizes human CD366

## DATA:

## Note:

For research use only, not for use in diagnostic procedure.

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